Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/13/2018 09:31 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125273	0	1.25	125146	1.24
Blue	F	SSC	125000	122904	-2	2.59	123381	2.38
Blue	E	FITC	23615	22687	-4	2.46	1007	10.89
Blue	D	PE	26739	26308	-2	1.98	944	10.35
Blue	B	PerCP-Cy5-5	48339	47604	-2	3.42	1369	17.62
Blue	A	PE-Cy7	45021	44225	-2	5.21	686	37.50
Red	C	APC	53064	52263	-2	2.71	3012	9.59
Red	A	APC-Cy7	57175	56351	-2	2.67	1163	11.53
Violet	B	V450	14728	13903	-6	5.19	666	9.84
Violet	A	V500	58621	56131	-5	5.12	2480	7.19

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19910	2.38	615	1	N/A	N/A	Pass
Blue	F	SSC	60846	1.50	560	14	N/A	N/A	Pass
Blue	E	FITC	114	40.12	551	3	0.0182	123	Pass
Blue	D	PE	208	30.61	542	6	0.1440	251	Pass
Blue	B	PerCP-Cy5-5	212	46.92	642	7	0.0092	85	Pass
Blue	A	PE-Cy7	72	129.04	699	6	0.0106	17	Pass
Red	C	APC	343	28.05	599	2	0.0194	34	Pass
Red	A	APC-Cy7	127	43.13	583	3	0.0052	1948	Pass
Violet	B	V450	81	45.35	466	-4	0.0457	2377	Pass
Violet	A	V500	182	24.19	493	-4	0.0158	996	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.96	-31.25	0.96
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	18.16	14.40 - 21.60	N/A	N/A	30.88	31.49	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10473

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments